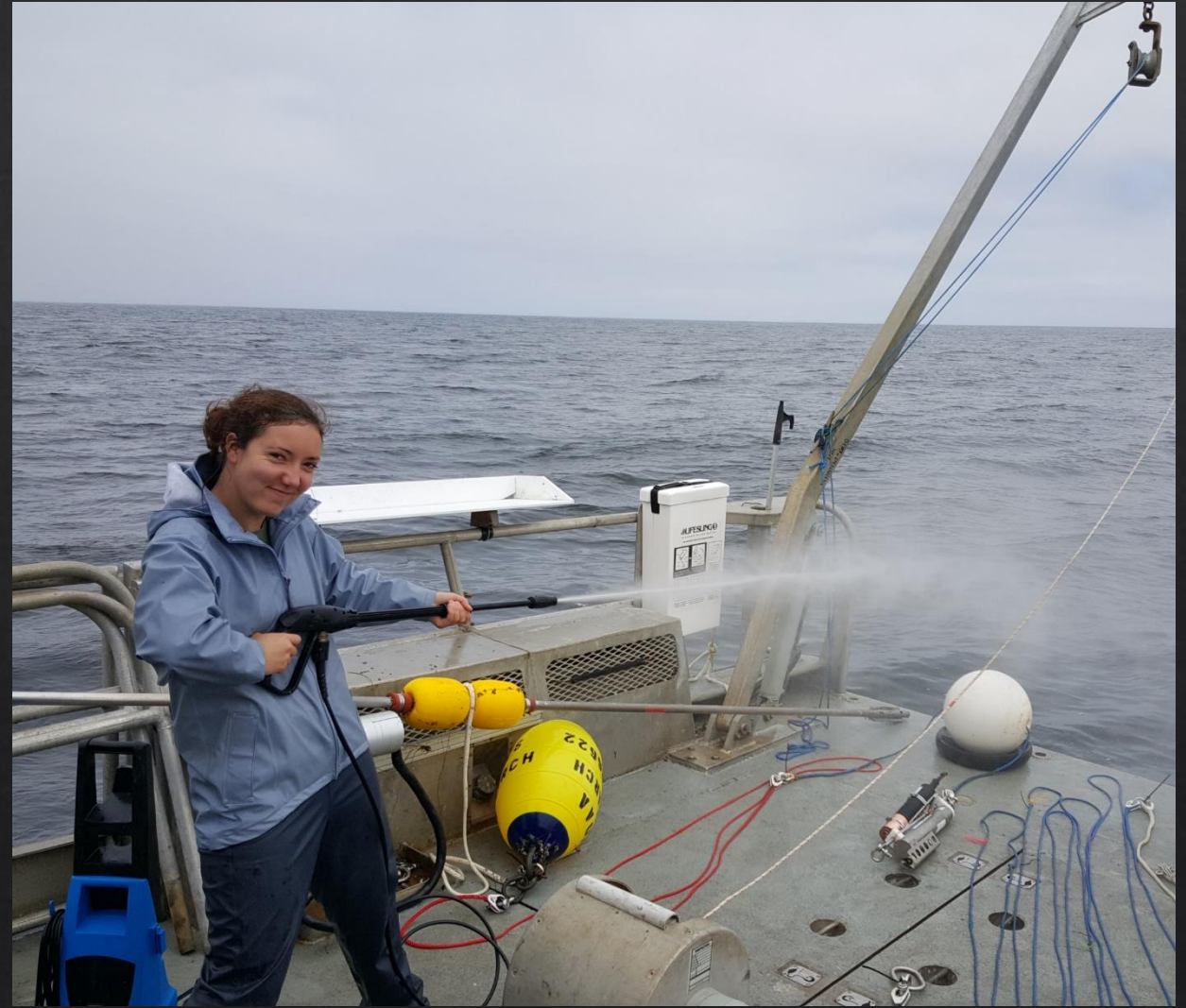
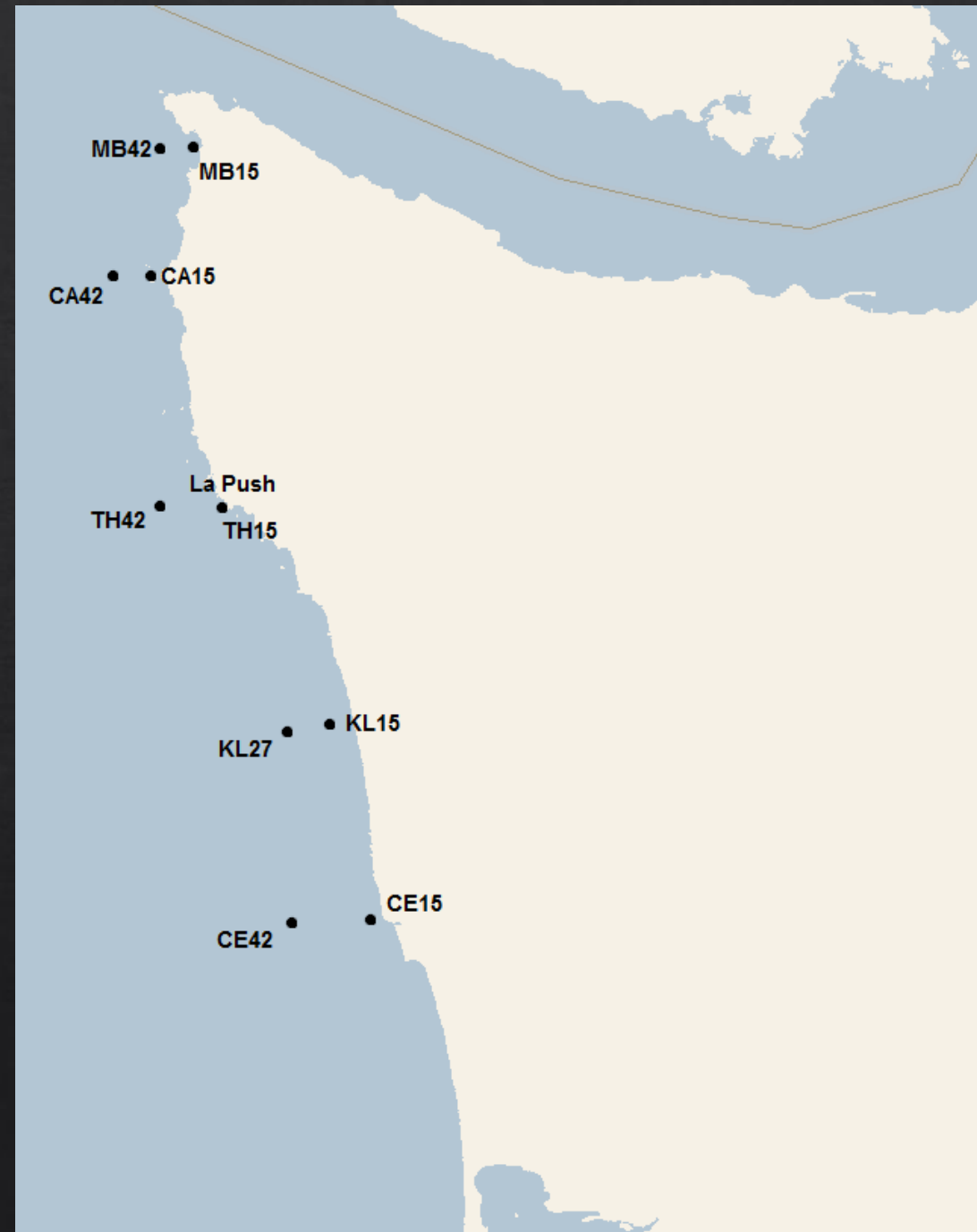
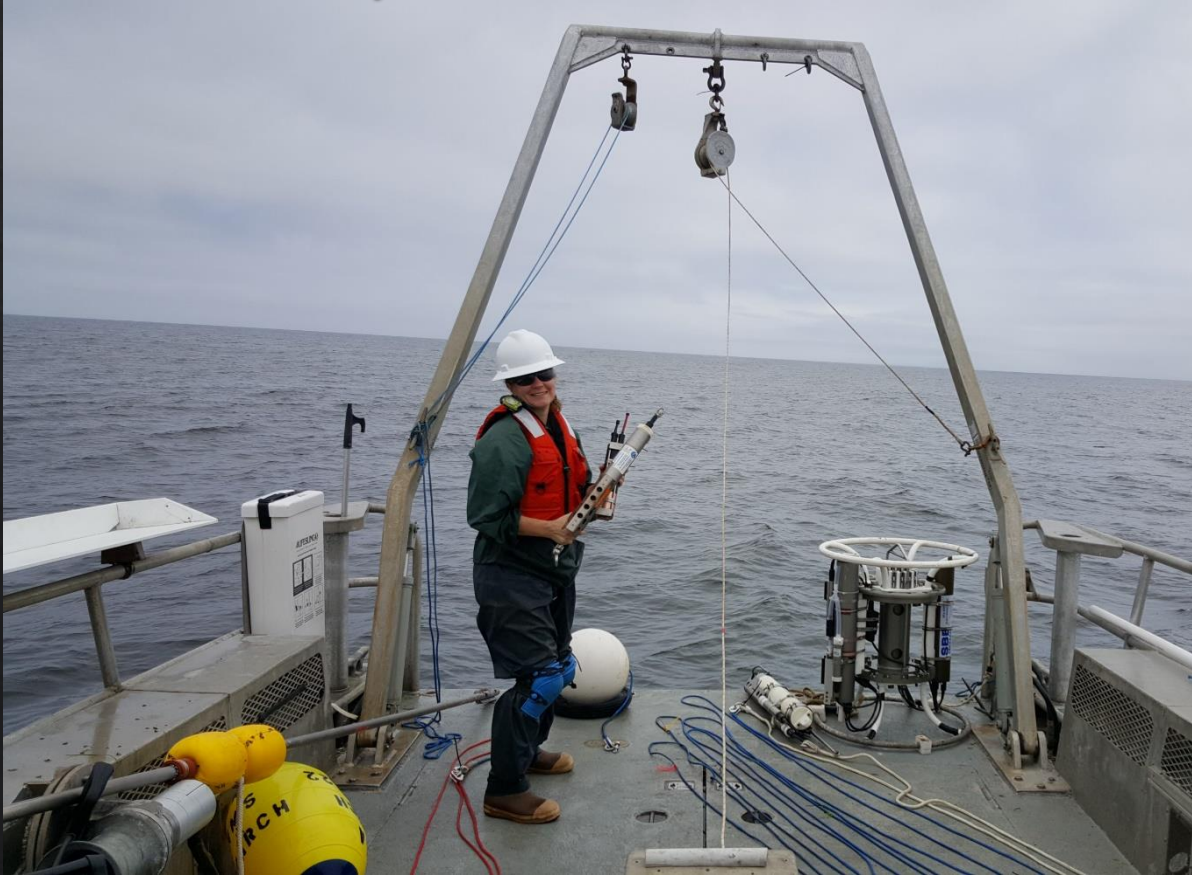


2016 Field Season



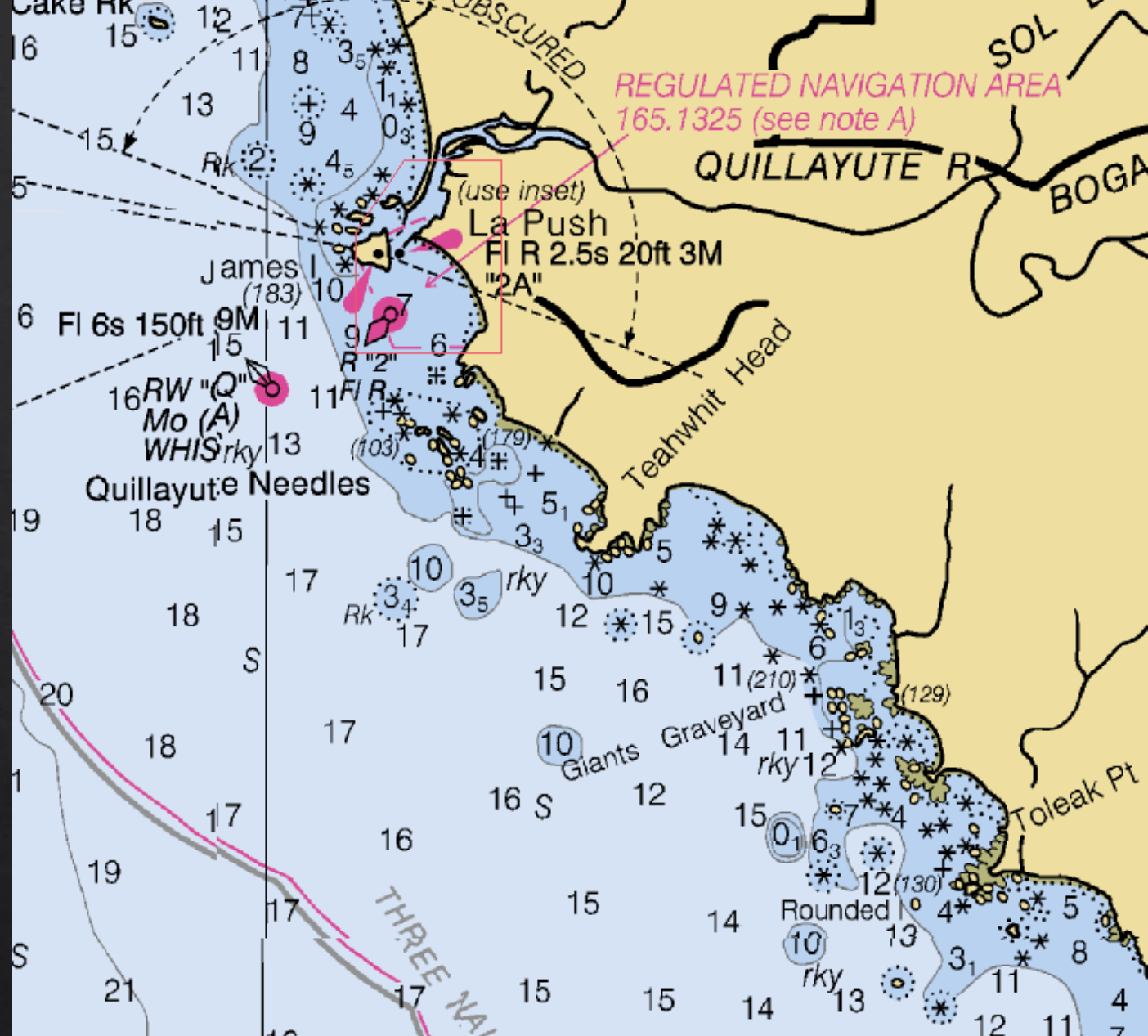
Moorings

- ◇ 18 days at sea
- ◇ DO, temp, conductivity, turbidity, currents
- ◇ Water samples for HAB monitoring in partnership with Quileute tribe
- ◇ No losses this year



Habitat Mapping

- ◇ 2 days at sea
- ◇ Problems with multi-beam



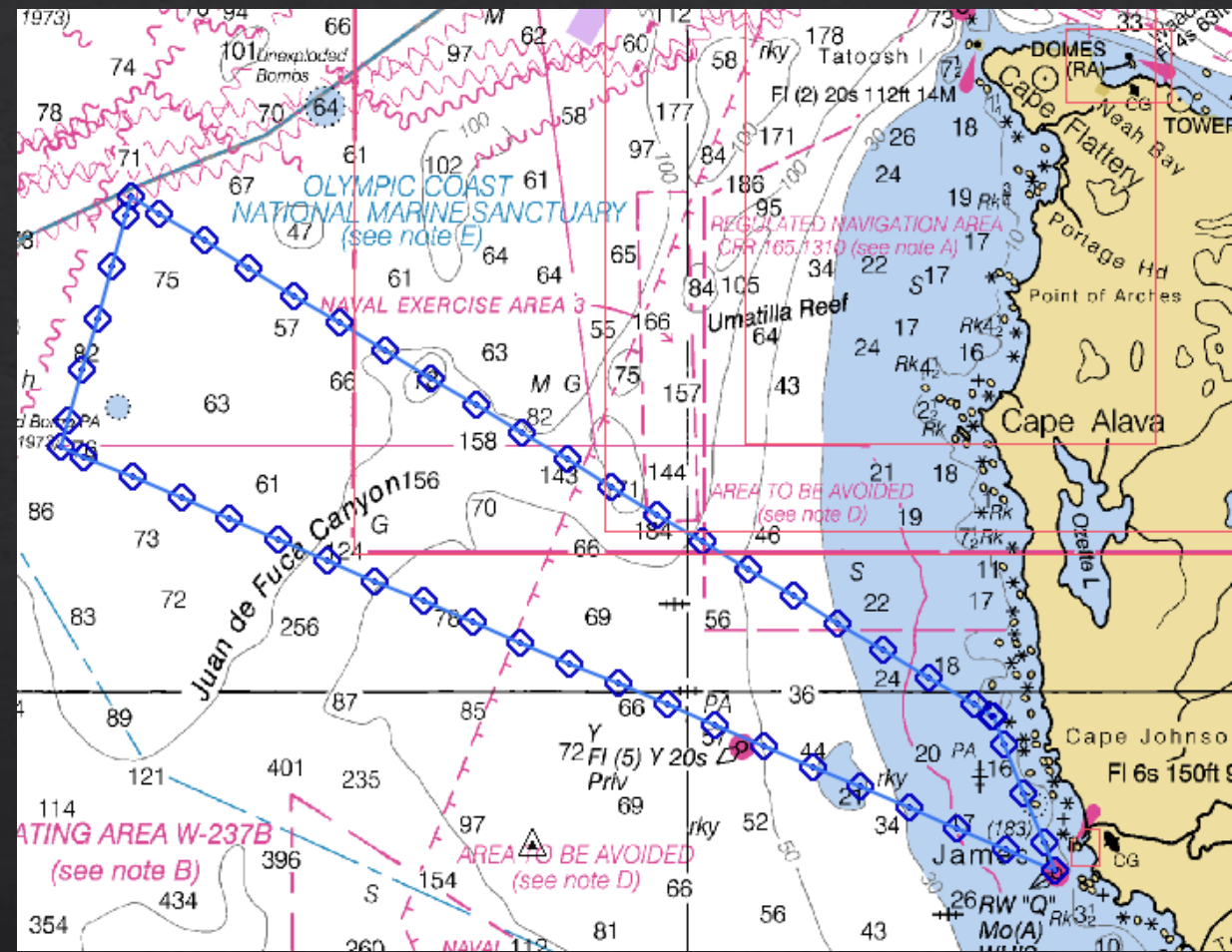
Earth is Blue Campaign

- ◇ 2 days
- ◇ Cape Alava & Tatoosh Island



Bird surveys

- ◇ 1 day at sea
- ◇ One planned trip each month
- ◇ Cancelled due to weather or breakdowns



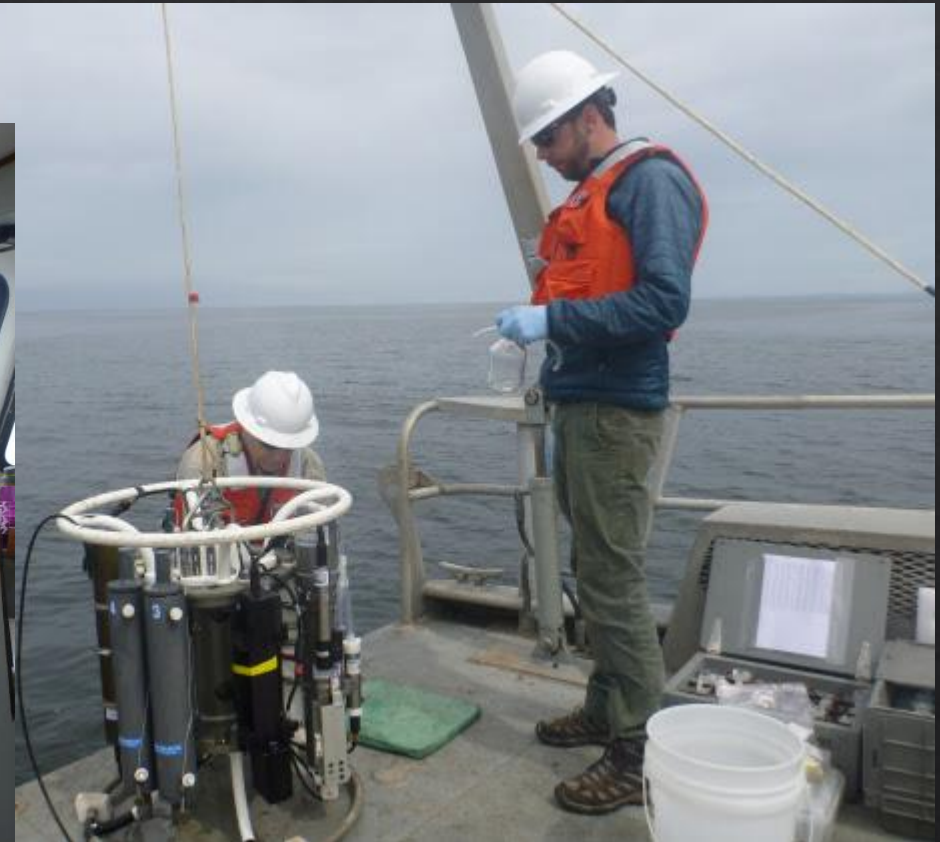
Dive Surveys

- ◇ 5 days at sea
- ◇ Replicating historical transects to evaluate changes associated with re-introduction of sea otters
- ◇ Partnership with NWFSC
- ◇ Destruction Is, Cape Johnson, Cape Alava, Tatoosh Island, Neah Bay



Whole Water Sampling

- ◆ 2 days
- ◆ Ron Brown offshore & ONP intertidal
- ◆ Comprehensive picture of ocean acidification from shore across continental shelf



Partner Projects

- ◆ Cape Elizabeth Buoy Servicing: 1 day
- ◆ PMEL Acoustic mooring recovery: 3 days
- ◆ Kelp sampling: 5 days

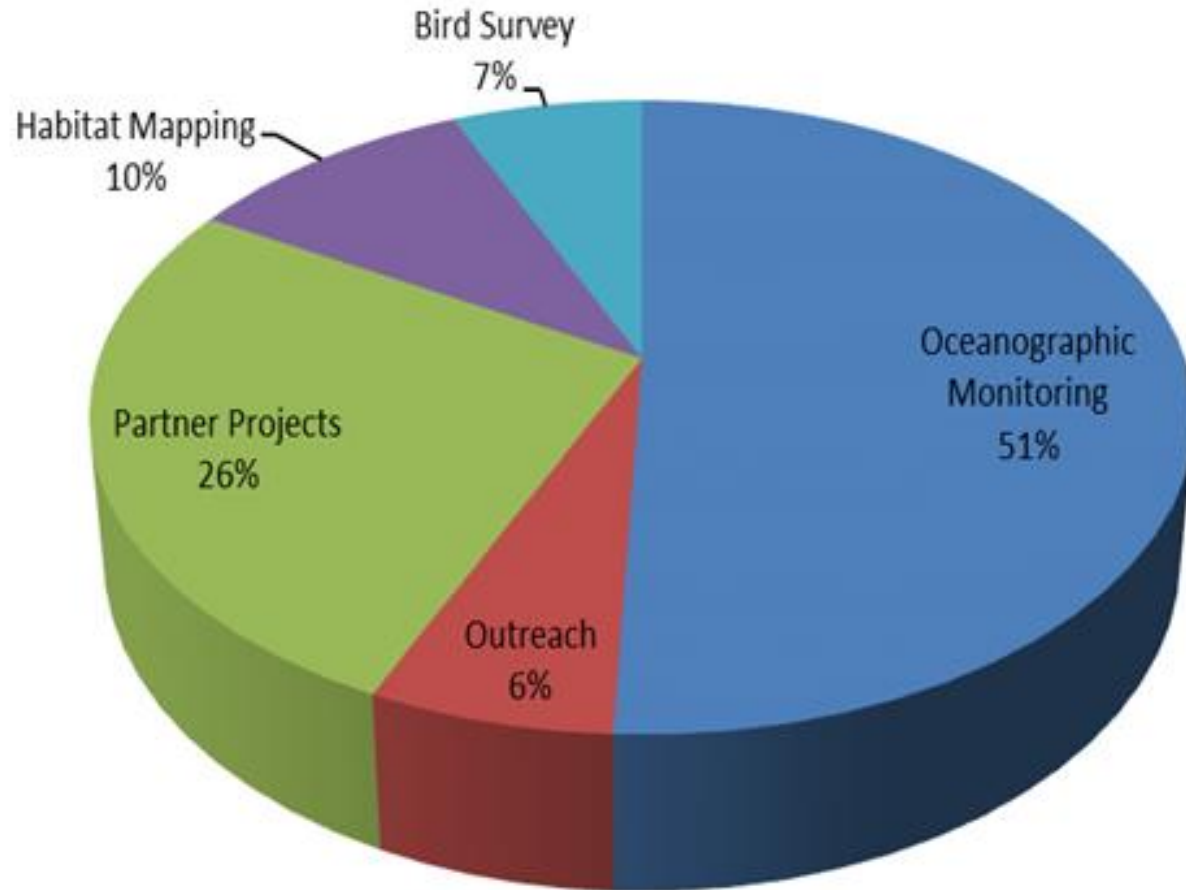


Major Mechanical Breakdown

- ◆ Out of commission month of September
- ◆ Missed mooring servicing resulting in lost data
- ◆ Had to cancel volunteer cruise, school field trip, & bird survey
- ◆ Remanufactured port engine installed



2016 R/V *Tatoosh* Projects



- ◇ Support area: 3,310 square miles
- ◇ Days at sea: 35
- ◇ Project hours: 130
- ◇ Approximate cost per day: \$1,311
- ◇ Fuel: 3,072 gallons diesel
- ◇ Total Distance Run: 1,820 Nautical Miles
- ◇ Research: long-term monitoring projects maintained and innovative partnerships with other research organizations formed